

Title (en)

Relay unit for power supply circuit, and housing used in the same

Title (de)

Relais-Baugruppe für Stromversorgungsschaltung und dafür geeignetes Gehäuse

Title (fr)

Unité de relais pour circuit d'alimentation, et son boîtier

Publication

**EP 1128408 A3 20040512 (EN)**

Application

**EP 01104253 A 20010222**

Priority

JP 2000043834 A 20000222

Abstract (en)

[origin: EP1128408A2] The object of this invention is to provide a relay unit and a housing for that unit to be used when a number of relay switches are installed side by side in a circuit to switch a power supply circuit on and off. A number of compartments are provided in a case with an open top such that one relay fits into each compartment. The relays are placed into these compartments, and a cover is fitted onto the open top of the case. Slits are provided along the upper edge of the case and/or in the cover, through which the connectors attached to the terminals of the various relays can pass. The cover is placed on top of the case with the connectors attached to the terminals of the various relays running through the various slits. With this invention, a number of relay switches are put into a single package (housing), thus making the relays easier to handle. The package makes it easier to mount and wire multiple relay switches. Because the positions of the connectors are controlled by the slits in the case, the connectors cannot rotate if they receive an accidental impact. This prevents accidental short circuits. <IMAGE>

IPC 1-7

**H01H 50/02**; **H01H 50/14**

IPC 8 full level

**H05K 5/00** (2006.01); **H01H 50/02** (2006.01); **H01H 50/14** (2006.01); **H02G 3/14** (2006.01); **H05K 5/06** (2006.01)

CPC (source: EP US)

**H01H 50/02** (2013.01 - EP US); **H01H 50/14** (2013.01 - EP US); **H01H 2050/049** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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